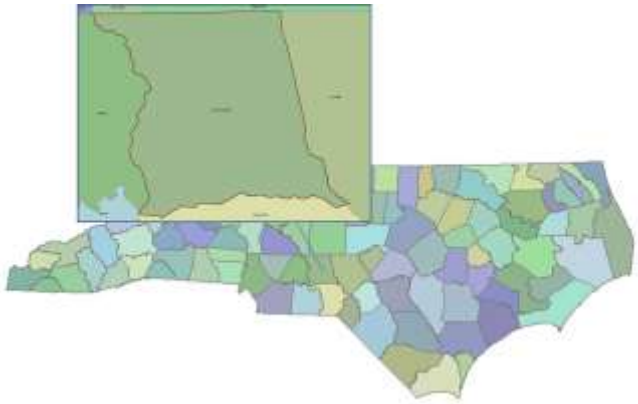

Montgomery County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	16	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	18	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	391	0.5	88	3.5	10	µg/L	34	8.70%		
Barium	46	50	50	50	2,000	µg/L	0	0.00%		
Benzene	16	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	46	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	46	5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	60	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	391	25	840	65	1,300*	µg/L	0	0.00%		
Ethylbenzene	24	0.25	0.9	0.33	700	µg/L	0	0.00%		
Fluoride	840	100	5,700.00	396.00	4,000*	µg/L	3	0.36%		
Iron	391	25	29,790.00	513.90	300*	µg/L	74	18.93%		
Isopropyl Ether	16	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	403	2.5	329	14	15	µg/L	51	12.66%		
Magnesium	391	2,300	2,300.00	2,300.00	No drinking water standard	µg/L				
Manganese	391	15	3,140.00	83.00	50*	µg/L	87	22.25%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	31	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	66	0.25	2.9	0.3152	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	117	500	15,930.00	1,957.90	10,000	µg/L	0	0.00%		
Nitrite	116	50	50	50	1,000	µg/L	0	0.00%		
pH	391	3.9	9.7	6.78	6.5-8.5*	standard units	3	0.77%	114	29.16%
Selenium	46	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	47	25	25	25	100*	µg/L	0	0.00%		
Sodium	31	2,200	210,000.00	24,616.10	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	52	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	18	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	60	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	60	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	62	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	18	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	391	25	5,900.00	123.60	5,000*	µg/L	1	0.26%		

* **Secondary MCL**: Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.[8] The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.[8]

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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